

Attachment 2 -DRAFT

May River Action Plan Deliverable List

Project	Action	Primary Responsible Entity
Consistency and Alignment of Plans		
Collection of Existing Plans	Collect and inventory all existing guidelines / plans for land use / resource use including Town of Bluffton plans, Beaufort County Plans, concept plans, and site specific plans	Town with County Support
Analysis of Existing Plans	Analysis of different plans showing differences / similarities; develop matrix specifying criteria and variables from each plan; compare and contrast plans	Town with County Support
Recommendation Report	Report detailing recommendations to promote consistency among various plans; based on research from analysis of different plans	Town with County Support
Watershed Inventory		
Delineate May River Watershed	Delineate basins within watershed; average 70 acres in size; do in manner compatible with GIS software; use existing delineations for previously developed properties.	Town with County Support
Create Impervious Surface Map	Map impervious areas; develop map showing impervious % of different areas within watershed. Develop impervious % of entire watershed. Map accordingly showing blocks of area at different impervious percentages. Do for current conditions, approved but not built conditions, and future conditions (anticipated, but not approved or built). Determine effective impervious areas as well as actual impervious areas	Town with County Support; County already completed or doing for other watersheds
Watershed Analysis	Determine rate, quantity, and quality of runoff using scientific models Calibrate models using existing data Models can be used to predict whether improvements will be successful or effect of new development Model updated as new information becomes available Creates "master model" that integrates effect of all development	Exclusively Town
Sensitive Areas Determination	Develop sensitivities specific to various areas of the May River Watershed. Most attention given to determining volume sensitive areas; however, other sensitivities should be explored and determined	County with Town Support; County already started on other watersheds
Watershed Indicators		
Development of Key Water Quality Indicators	Develop reasonable, acceptable, and measurable water quality parameters specific to the May River Watershed. Indicators are to be driven by use of watershed. Determination of intended use of watershed will lead to performance indicators of watershed.	Possibly use graduate student, DHEC is finalizing report for fecal coliforms to help establish natural baseline, SeaCap is also doing work
Matrix, schedule, and inventory of past water quality studies	Create spatial database containing all past studies. Create GIS database allowing public to access data from past water studies from a spatial standpoint	Town with County Support
Matrix, schedule, and inventory of ongoing water quality studies	Create spatial database containing all ongoing studies. Create GIS database allowing public real-time access to ongoing studies	Town with County Support
Matrix, schedule, and inventory of future water quality studies	Identify areas needed for future water quality studies. Identify future studies and create GIS database for public showing study and scope.	Town, County, DHEC. All are doing just not very systematic
Existing Watershed Condition Summary Report	Report detailing existing conditions of watershed as a whole including watershed hydrology, and all water quality studies and their results. Report to be based on past water quality studies and water quantity studies.	SCDNR Completed
Develop Model to Predict Fecal Coliform, stormwater volume, and other indicators	Develop Model to Predict fecal coliform, stormwater volume, and other indicators to meet standards. Model will based on key findings in developing indicators and from report on existing conditions.	Envision EPA, DHEC, or federal agency taking lead on this
Section 319 Grant Implementation		
Final SCDHEC 319 Grant Report	Develop final quarterly report	Town
Pilot Project	Develop and implement a pilot project	Town
Manure Management Plan	Develop manure plan for commercial horse owners and hobbyist horse owners; Coordinate management plan with horse owners; Install and upgrade systems; Clarify definition of domestic animal in ZDSO	Town
RV / Campground Waste Management Plan	Develop waste management plan for RV / Campgrounds	Yes
Wildlife Management Plan	Develop deer management plan	Town w SCDNR support
Bird Roosting Deterrent	Install 100 bird roosting deterrents	Town
Construction Site Inspection Program	Conduct construction site inspections monthly Review post construction BMP inspection reports annually	Town
Ditch Enhancement / Erosion Prevention	Identify and correct water conveyance structures causing erosion	Town
EPA Water Sense Partnership	Partner with EPA on Water Sense Program	Town
Social Marketing Campaign	Educate and inform public about water quality issues	Town w NOAA and SCDEC support
Pet Waste Stations	Install Pet Waste Stations	Town
Pet Septic Systems	Install Pet Septic Systems	Town

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ZDSO Overhaul	Enhance illicit discharge and detection program Develop vegetated swale standard Develop littoral shelf and aeration requirements for ponds / lagoons Develop Pet License Ordinance ZDSO Overhaul with Regard to Ponds Revise ZDSO to facilitate less sediment transport from developing sites Develop septic system maintenance ordinance	Town
Septic System Inspections / Pump Outs	Inspect and pump out 20 septic systems	Town
Septic System Up-Grades / Replacements	Replace 2 septic tanks	Town
Old Town Retrofits	Procure and install 50 rain barrels Assist citizens with installation of 50 rain gardens	Town
Enhanced Buffers Plan (Sea Grant)	Assist homeowners with creating enhanced vegetated buffer in 47 waterfront lots	Town
Sonic System for Stormwater Ponds	Find suitable location and install 1 sonic system (supplier donated and installed)	County w. Town Support
Hot Spot Identification and Targeted Retrofits		
Hot Spot Identification Map	Develop map of hot spots and extent of problem areas Develop map of reoccurring hot spots. Ideally, most decisions would come from findings from Existing Conditions Summary Report although some may come from monthly report from Town/County	County Lead
Hot Spot Identification Matrix	Develop a document / spreadsheet identifying hot spots, nature and extent of problem areas to be used in concert with map. Same concept could be used to put on GIS website with information	County / Town split
Map of Targeted Immediate Retrofit Opportunities	Develop map of retrofit opportunities to be used in concert with document. Map will be interactive with pros, cons, etc. Map will be for immediate or near future opportunities	County / Town split: Gascogne Bluff being done now by County as well as work near BECY1.5 and PBR-9
Map of Targeted Future Retrofit Opportunities	Develop map of retrofit opportunities to be used in concert with document. Map will be interactive with pros, cons, etc. Map will be for future opportunities.	County / Town split
Targeted Retrofit Implementation Schedule	Develop a schedule / cost for implementing retrofits, This information could be put in GIS website to keep public informed.	County / Town split
Public Retrofit Opportunities		
Identification of Public Projects for Retrofit	Develop document outlining public project opportunities Create retrofit map and menu for selected projects outlining pros, cons, etc.	County / Town Split
Prioritizing of Public Projects in need of Retrofit	Develop matrix for selected public projects emphasizing projects to help with MS4 requirements	County / Town Split
Recommended Zoning and Development Standards Ordinance Amendments	Develop ZDSO Amendments based on improving quality of May River Watershed to encourage retrofit efforts	Town is working; County status unknown
Private / Public Retrofit Opportunities		
Identification of individual home BMPs in approved developments	Determine BMPS and their effectiveness to be used on a home basis to benefit the May River Watershed. BMPs can address any one of the key indicators of as determined earlier in the plan	County lead; town closely follow
Targeted communities for volume sensitive controls	Determine communities that may be right for volume sensitive controls and implement	County lead; town closely follow
Private Retrofit Opportunities		
Identification of Public Projects in Need of Retrofit	Develop document outlining private project opportunities Create retrofit map for selected projects	Town / County Split
Prioritizing of Private Projects in need of Retrofit	Develop matrix for selected private projects	Town / County Split
Recommended Development Agreement Modifications	Create develop agreement mods to best satisfy all parties involved	Town / County Split
Recommended Property Owner Association Covenants, Codes, and Restrictions Modifications	Develop mods to covenants, codes, and restrictions	Town / County Split
Development of incentives to encourage retrofits in priority areas	Develop incentives to allow private entities to install retrofits in a cost effect way. Incentives could be monetary or publicity driven.	Town / County Split
Communications and Marketing		
Communications / Marketing Plan	Develop communications / marketing plan	Town Lead
Implement Communications / Marketing Plan	Hire firm to help promote May River goals and create May River "brand"	Town Lead
Timeline		
Work Plan	Develop work plan for implementing improvements to the May River Watershed	Town Lead
Budget & Schedule	Develop budget and schedule for implementing improvements to May River Watershed	Town Lead
Administration		
Matrix of Responsible Parties	Develop matrix showing roles and responsibilities of the Town of Bluffton, Beaufort County, BJWSA, SCDOT, private entities, and other stakeholders	Town Lead
Funding Mechanisms		
Matrix of Funding Mechanisms	Develop a matrix of funding mechanisms and sources	Town Lead
Matrix of Funding Opportunities	Develop a matrix of funding opportunities within each mechanism or source	Town Lead